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## group homomorphism abelian

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Group homomorphism - Wikipedia, the free encyclopedia

If  $G$  and  $H$  are **abelian** (i.e. commutative) groups, then the set  $\text{Hom}(G, H)$  of all **group homomorphisms** from  $G$  to  $H$  is itself an **abelian group**: the sum  $h + k$  of ...  
[en.wikipedia.org/wiki/Group\\_homomorphism](https://en.wikipedia.org/wiki/Group_homomorphism) - 28k - Cached - Similar pages

Category of abelian groups - Wikipedia, the free encyclopedia

In mathematics, the category  $\text{Ab}$  has the **abelian** groups as objects and **group homomorphisms** as morphisms. This is the prototype of an **abelian** category. ... [en.wikipedia.org/wiki/Category\\_of\\_abelian\\_groups](https://en.wikipedia.org/wiki/Category_of_abelian_groups) - 20k - Cached - Similar pages [ More results from en.wikipedia.org ]

## Re: Abelian group,homomorphism

In reply to "**Abelian group,homomorphism**", posted by Jean on Oct 8, 2003: >Please help!! >1)Suppose  $G=\{ \text{all functions } f:[0,1] \rightarrow \mathbb{R} \}$ .Define an addition on  $G$  ...  
at.yorku.ca/cgi-bin/bbqa?forum=ask\_an\_algebraist\_2003;task=show\_msg;msg=0207.0001 - 5k - Cached - Similar pages

JSTOR: The First Derived Equaliser of a Pair of Abelian Group ...

In this note We attack the problem of classifying a pair of **abelian group homomorphisms** by introducing a construction which we call "the derived ...  
[links.jstor.org/sici?si=0002-9939\(197401\)42%3A1%3C77%3ATFDEOA%3E2.0.CO%3B2-U](https://links.jstor.org/sici?si=0002-9939(197401)42%3A1%3C77%3ATFDEOA%3E2.0.CO%3B2-U) - Similar pages

JSTOR: The Study of Commutative Semigroups with Greatest Group ...

We define a **gr-homomorphism** to be a homomorphism  $g: S \rightarrow G$  of  $S$  into an abelian group  $G$  having the universal repelling property with respect to **homomorphisms** of ...  
[links.jstor.org/sici?doi=0002-9947\(197211\)173%3C401%3ATSOCSW%3E2.0.CO%3B2-6](https://links.jstor.org/sici?doi=0002-9947(197211)173%3C401%3ATSOCSW%3E2.0.CO%3B2-6) - Similar pages [ More results from links.jstor.org ]

## 21.4 Homomorphisms of abelian groups

**Homomorphisms of abelian groups.** TODO: \* there must be a homspace first \* there should be hom and Hom methods in **abelian group** ...  
[sage.scipy.org/sage/doc/html/ref/module-sage.groups.abelian\\_gps.abelian\\_group-morphism.html](http://sage.scipy.org/sage/doc/html/ref/module-sage.groups.abelian_gps.abelian_group-morphism.html) - 13k - Cached - Similar pages

[PDF] Homework 1 Due September 17th 1. Let A be an abelian group. Show ...

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Let  $A$  be an **abelian group**. Show that there is an isomorphism of groups,  $\alpha : \mathbb{Z} \times A \rightarrow A$ , with the property that for any **group homomorphism**  $f : A \rightarrow B$ ,  $f \circ \alpha = \beta \circ f$ .

ABSTRACT ALGEBRA: Online Study Guide Section 3.7

Since any vector space is an **abelian group** under vector addition, any linear transformation between vector spaces is a **group homomorphism**. ...  
[www.math.niu.edu/~beachy/abstract\\_algebra/study\\_guide/37.html](http://www.math.niu.edu/~beachy/abstract_algebra/study_guide/37.html) - 12k -  
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[PDF] Twisted Alexander polynomials and surjectivity of a group ...

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Suppose that  $G$  is a finitely presentable **group** with a surjective **homomorphism** to the free **abelian group** of rank  $l$ , eg, abelianization. Let  $\rho: G \rightarrow GL(n; \mathbb{R})$  ...

arxiv.org/pdf/math/0510224 - [Similar pages](#)

[Transwiki: Glossary of group theory - Wiktionary](#)

Kernel of a **group homomorphism**. It is the preimage of the identity in the codomain of a ...

The structure of any finite **abelian group** is relatively simple; ...

en.wiktionary.org/wiki/Transwiki:Glossary\_of\_group\_theory - 24k - [Cached](#) - [Similar pages](#)

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**LASEC**

On the other hand, by selecting **group homomorphisms** with a small **group** range ...

Based on these protocols, we devise our new undeniable **signature** scheme and ...

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[\[PDF\]](#) **How to Sign with One Bit**

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1-bit **signature**. We introduce a new computational problem related to the interpolation of.

**group homomorphisms**. Many famous cryptographic problems including ...

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**(WO/2005/081451) METHOD TO GENERATE, VERIFY AND DENY AN UNDENIABLE ...**

The method according to claim 2, wherein the **group homomorphism** (f) computation is ...

A Method of confirming by a Verifier an undeniable **signature** (y<sub>1</sub>, ...

[www.wipo.int/pctdb/en/wo.jsp?IA=EP2005001335&DISPLAY=CLAIMS](http://www.wipo.int/pctdb/en/wo.jsp?IA=EP2005001335&DISPLAY=CLAIMS) - 28k -

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[\[PDF\]](#) **Generic Homomorphic Undeniable Signatures**

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Interpolation of **Group Homomorphisms**. Our **Signature** Scheme. Conclusion. Generic Homomorphic Undeniable Signatures. J. Monnerat. S. Vaudenay ...

[www.iris.re.kr/ac04/data/Asiacrypt2004/09%20Digital%20Signatures/01\\_Jean%20Monnerat.pdf](http://www.iris.re.kr/ac04/data/Asiacrypt2004/09%20Digital%20Signatures/01_Jean%20Monnerat.pdf) - [Similar pages](#)

[\[PDF\]](#) **Short undeniable SignatureS: deSign, analySiS, and applicationS**

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**group homomorphism** which he keeps secret. Based on these protocols, we devise our new undeniable **signature** scheme and prove its security in a formal way. ...

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**LNCS 3329 - Generic Homomorphic Undeniable Signatures**

the sense that we transform a private **group homomorphism** from public groups G to H (the order of H being public) into an undeniable **signature** scheme. ...

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**Homomorphic Signature Schemes**

In a series of talks, Rivest suggested the investigation of homomorphic signature schemes. For instance, the RSA **signature** scheme is a **group homomorphism** ...

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**Method to generate, verify and deny an undeniable signature ...**

[0214] The above described **group homomorphism** of the undeniable **signature** scheme is in the context of characters to hard characters, which means a ...

[www.freepatentsonline.com/20050193048.html](http://www.freepatentsonline.com/20050193048.html) - 68k - [Cached](#) - [Similar pages](#)

**CAT.INIST**

Optimization of the MOVA undeniable **signature** scheme ... well as its generalization

proposed at Asiacrypt '04 which is based on a secret **group homomorphism**. ...  
cat.inist.fr/?aModele=afficheN&cpsidt=17199017 - Similar pages

[PDF] [Verifiable Encryption and Applications to Group Signatures and ...](#)

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that you know a **signature** on given message reduces to demonstrating that you know a pre-image under a **group homomorphism**. This is true for any of the stan- ...  
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